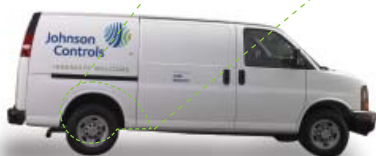


MAC/YVC High Static Ducted Split Air Conditioners



With more than 130 years experience in heating, ventilation, air-conditioning, and refrigeration (HVAC&R) product and services, YORK's array of air conditioners provides the ultimate comfort for your home and office by creating a cool, quiet and dry living environment. So with YORK air conditioners, you can sit back and enjoy a lazy afternoon. Everything else will just become more splendid.



On the cover

Integrated professional services designed for your unique business needs.

We care about your business and understand that every organization has its unique requirements. Our comprehensive maintenance package is tailor-made to fit all financial and technical needs. It covers everything from planned routine equipment inspections and predictive maintenance routines to system performance checks and annual shutdowns.

Product Features

Wide Range

- YORK MAC series offer a complete range of equipment (from 7.5 – 600 hp) to suit your needs.

Flexibility

YORK MAC series provides flexibility at 3 levels

- **Fan Static Selection**

With YORK MAC models, you are allowed the flexibility of changing the standard external static pressure to suit your design requirements (i.e. by adjusting the 3 fan speed of the MAC 75 – 100 and changing the pulley of MAC 125 – 600.)

- **Air Discharge**

YORK MAC series also allows you to choose the direction of air discharge.

- **Air Distribution**

YORK MAC series allows for long ducting to provide greater flexibility in installation and optimum comfort to the occupants.

High external static pressure allows air to be distributed evenly to every corner of the building without any loss of power to the airflow.

Modular System

- The modular design of YORK MAC units provide you the flexibility of step-down unloading.
- The step-down unloading feature enables the particular individual compressor to cut off when there is a reduction of loading, thus saving you the unnecessary equipment running cost.

Energy Savings

- YORK MAC series provide you greater energy savings with the application of scroll compressor.

Easy Maintenance

- YORK series has been designed for quick and easy maintenance.
- The unit's internal components are easily accessible from either side just by loosening a few screws.

High Efficiency Scroll Compressor

- **Quiet Operation**

YORK MAC series scroll compressor is significantly more silent than other compressors and provides consumers with whisper quiet comfort.

- **High Durability**

YORK MAC series scroll compressor uses 70% fewer moving parts than other comparably sized reciprocating compressors that means higher reliability and lower maintenance costs for the scroll compressor.

- **Greater Capability**

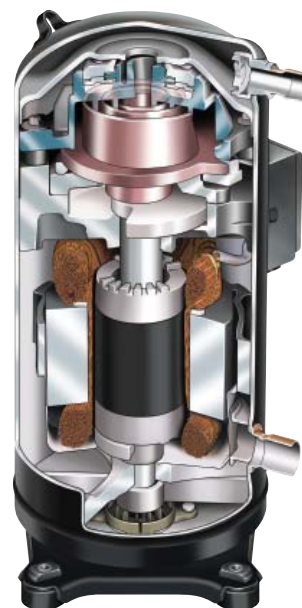
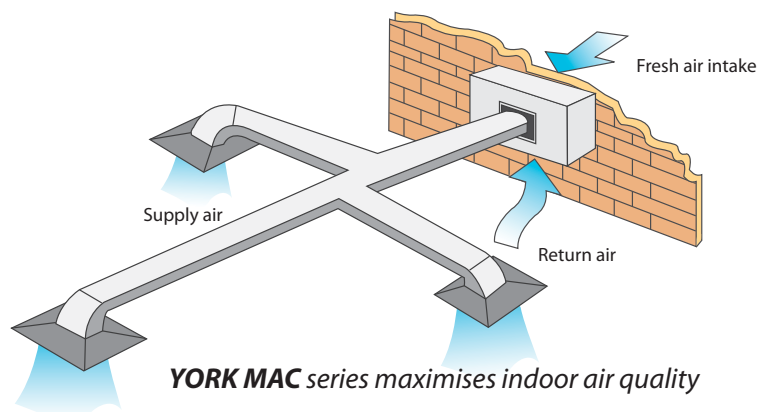
The radial compliance of the scroll compressor allows the scroll members to separate in the presence of liquid refrigerants or debris thus eliminates high stress in members and substantially improves the durability of the compressor.

- **Higher Efficiency**

YORK MAC series scroll compressor has a high Energy Efficiency Ratio, ensuring superior performance and greater energy savings for consumers.

- **Perfect Balance**

The low pulse discharge and without-valve design of the scroll compressor ensures that vibration of the unit while in operation is minimized.



Product

Indoor Unit MAC 75 – 100

- Standard horizontal air discharge
- Adjustable 3 fan speed (direct drive)
- Designed ESP 100 Pa
- Build in filter rack



MAC 125 – 150

- Standard horizontal air discharge
- Belt driven
- Designed ESP 150 Pa
- Build in filter rack
- Convertible to vertical discharge at site



LMAC 125 – 150

- Standard horizontal air discharge
- Belt driven
- Designed ESP 150 Pa
- Build in filter rack
- Low ceiling height



SML Controller (For MAC 75 to MAC 150 & LMAC 125-150)

- Mode: Cool, Dry, Fan
- Set temperature range 16°C~30°C
- Room temperature display
- Indoor fan speed: Auto, High, Medium, Low
- Sleep mode
- Delay on/off timer, 1~24 hours
- Key lock
- System error code read out
- Indoor coil temperature read out
- Compressor protections:-
 - Comp 3 minutes restart protection
 - Comp minimum runtime
 - Insufficient of refrigerant
 - Indoor coil anti freeze
 - Room sensor, indoor coil sensor fault monitoring
- Non volatile memory – keep system settings



Indoor Unit MAC 200 – 600

- Standard vertical air discharge at site for MAC 200 – 600
- Vertical air discharge for MAC 600 (non-convertible)
- Single speed motor and belt drive blower
- Designed ESP
 - MAC 200 = 150 Pa
 - MAC 250 – 450 = 200 Pa
 - MAC 500 = 250 Pa
 - MAC 600 = 300 Pa
- Build in filter rack



Sequential Remote Controller (For MAC 200 – MAC 600)

- Mode: Cool, Fan
- Set temperature range 16°C~30°C
- Room temperature display
- 7 days on/off timer
- Key lock
- Indoor coil temperature read out.
- System error code read out.
- Programmable system control parameters
- Remote on/off
- Compressor auto sequencing
- Compressor protections:-
 - Comp 3 minutes restart protection
 - Comp frequent cut in prevention



Outdoor Unit YVC 75 – 150

- Direct Drive Outdoor Fan
- High efficiency scroll compressor
- High and low pressure protection
- Phase reversal protection
- Vertical air discharge



YVC 75-150



YHC 75-150

YHC 75 – 150

- Direct Drive Outdoor Fan
- High efficiency scroll compressor
- High and low pressure protection
- Phase reversal protection
- Horizontal air discharge

Specifications

Models		Indoor		MAC				
		Unit		75	100	125	150	
Nominal Capacities		Outdoor		YVC				
		Unit		75	100	125	150	
Cooling		Btu/h		75,000	100,000	125,000	150,000	
		kW		21.98	29.31	36.64	43.96	
		kcal/h		18,750	25,000	31,250	37,500	
Power Supply		V/Ph/Hz		380-415/3/50				
		Ph		3	3	3	3	
Power Consumption		kW		8.89	11.80	12.64	16.78	
Running Current		A		24.23	29.50	27.70	30.87	
Refrigerant Type		R-22						
Power Supply		V/Ph/Hz		220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	
		Ph		1	1	3	3	
Fan		Blower Material		Zinc Coated Steel				
		Fan Type / Drive		Forward Curve Centrifugal Direct Drive		Forward Curve Centrifugal Belt Drive		
		Blower Size (Diameter x Length)- qty	Inch- Ea		9"x7"x2	10"x8"x2	15"x15"x1	15"x15"x1
		Speed (H/M/L)	rpm		1,350/1,150/980	1,250/1,150/1,050	1,390	1,380
		Running Current	A		6.33	4.4x2	2.8	3.7
		Motor Quantity	Ea		1	2	1	1
		Motor Model			YDK850-4A9	YDK550-4Q8-L/R	90-4S	90-4L
		Motor Size (Output)	W		850.0	550x2	1,100	1,500
		Input Power	W		1,300	982x2	1,442	1,908
		Output Power	W		850.0	550x2	1,100	1,500
		Air Flow	CFM		2,500	3,300	4,100	5,000
		ESP	Pa		100	100	150	150
		Motor Pulley	Type		V-Belt			
		Blower Pulley	Type		V-Belt			
Coil		Tube	Material	Copper Tube				
			Diameter	mm	9.5			
		Fin	Material	Aluminum				
			Circuit		1	1	1	1
			Row		4	4	3	4
			Fin per inch		14	14	14	14
Face Area	ft2		4.74	6.14	10.23	10.23		
Casing		Material	Electro Galvanized Steel					
		Finishing	Epoxy Polyester Powder Paint					
		Insulation	PE					
Dimensions		Height	mm	485	550	870	870	
		Width	mm	1,585	1,585	1,585	1,585	
		Depth	mm	760	760	980	980	
Weight (included packing)		kg		129	150	215	217	
Air Filter		Not Supplied						
Piping		Pipe Size	Liquid	inch	5/8"	5/8"	5/8"	5/8"
			Suction	inch	1-1/8"	1-3/8"	1-3/8"	1-3/8"
			Drain	inch	1"	1"	1"	1"
Connection Type		Braze						
Power Supply		V/Ph/Hz		380-415/3/50				
		Ph		3	3	3	3	
Compressor		Qty		1	1	1	1	
		Compressor Type		Scroll				
		Oil Charge	cc		2,510	3,250	3,250	6,200
		Capacitor	µF		-	-	-	-
		Max. Starting Current	A		95	125	125	175
		Nominal Current	A		16.4	19.2	22.1	24.17
		Input Power	W		6,880	9,130	10,200	13,620
		Vibration Isolator			Rubber			
		Protection Device			Internal Over Load Protector			
		Qty			1	1	1	1
Fan		Fan Type / Drive		Propeller / Direct Drive				
		Fan Speed	rpm		930	930	920	920
		Blade Material		Aluminium				
		Diameter	inch		24"	24"	26"	28"
		Rated Running Current	A		1.50	1.50	2.80	3.00
		Rated Output	W		450	450	750	950
		Rated Input	W		710	710	1,000	1,250
Coil		Tube	Material	Copper Tube				
			Diameter	mm	9.5			
		Fin	Material	Aluminium				
			Row		2	2	2	2
			Fin per inch		14	14	14	14
Surface Area	ft ²		18.95	18.95	18.95	27.00		
Casing		Material	Electro Galvanized Steel					
		Finishing	Epoxy Polyester Powder Paint					
		Height	mm	940	940	940	1,090	
Dimensions		Width	mm	965	965	965	1,130	
		Depth	mm	975	975	975	1,105	
		Weight (included packing)	kg		185	190	197	230
No. of Circuit				1	1	1	1	
Piping		Pipe Size	Liquid	inch	5/8"	5/8"	5/8"	5/8"
			Suction	inch	1-1/8"	1-3/8"	1-3/8"	1-3/8"
Connection Type		Braze						

Specifications

Models		MAC									
		MAC200B2	MAC250B2	MAC300B2	MAC350B3	MAC400B4	MAC450B3	MAC500B4	MAC600B4		
		Indoor Unit									
		Outdoor Unit									
		YVC									
		Unit	YVC100x2	YVC125x2	YVC150x2	YVC100x1+YVC125x2	YVC100x4	YVC150x3	YVC125x4	YVC150x4	
Nominal Capacities	Cooling	Btu/h	200,000	250,000	300,000	350,000	400,000	450,000	500,000	600,000	
		kW	58.62	73.27	87.92	102.58	117.23	131.89	146.54	175.85	
		kcal/h	50,000	62,500	75,000	87,500	100,000	112,500	125,000	150,000	
Power Supply		V/Ph/Hz	380-415/3/50								
Power Consumption		kW	21.89	25.13	31.97	35.95	42.94	49.45	53.23	66.91	
Running Current		A	44.92	50.26	56.40	74.50	87.90	86.91	109.30	117.58	
Refrigerant Type			R-22								
Power Supply		V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	
		Ph	3	3	3	3	3	3	3	3	
Blower Material			Zinc Coated Steel								
Fan Type/Drive			Centrifugal/Belt Driven								
Blower Model			SYT15-15L	SYT18-18LK	SYT18-18LK	SYT18-18LK	SYD500R	SYD500R	SYD500R	SYD560R	
Blower Pulley and Bush		mm	2SPZ132/1,610/25	2SPZ170/2,012/35	2SPZ170/2,012/35	2SPZ224/2,012/35	2SPA236/2,517/35	2SPA236/2,517/35	2SPA280/2,517/35	3SPA280/2,517/40	
Blower Size (Diameter x Length) - qty		Inch-Ea	15"x15"x1	18"x18"x1	18"x18"x1	18"x18"x1	20"x16"x1	20"x16"x1	20"x16"x1	22"x19"x1	
Speed(H/M/L)		rpm	880	770	810	810	650	690	780	680	
Running Current		A	6.52	8.06	8.06	11.1	11.1	14.4	20.9	20.9	
Motor Quantity			1	1	1	1	1	1	1	1	
Motor Type			Squirrel Cage Induction								
Motor Pulley and Bush		mm	2SPZ80/1,210/28	2SPZ90/1,610/28	2SPZ95/1,610/28	2SPZ125/1,610/38	2SPA106/1,610/38	2SPA112/1,610/38	2SPA150/2,012/42	3SPA132/2,012/42	
Motor Size(Output)		W	3,000	4,000	4,000	5,500	5,500	7,500	11,000	11,000	
Input Power		W	3,628	4,728	4,728	6,418	6,418	8,591	12,429	12,429	
Output Power		W	3,000	4,000	4,000	5,500	5,500	7,500	11,000	11,000	
Air Flow		CFM	6,400	8,000	9,000	10,500	12,000	13,500	15,000	18,000	
ESP		Pa	150	200	200	200	200	250	250	300	
Vertical Air Discharge											
Motor to Blower Center Point		mm	312	658	658	848	362	362	331	345	
V-Belt Size			SPZ987	SPZ1737	SPZ1737	SPZ2240	SPA1207	SPA1207	SPA1357	SPA1357	
Horizontal Air Discharge											
Motor to Blower Center Point		mm	296	626	626	817	314	314	291		
V-belt Size			SPZ950	SPZ1687	SPZ1687	SPZ2187	SPA1120	SPA1120	SPA1250		
Tube			Seamless Copper Tube								
Diameter		mm(in)	9.52(3/8)								
Material			Aluminum								
Thickness		mm	0.115								
Fin											
Circuit			2	2	2	3	4	3	4	4	
Row			4	4	5	4	4	4	5	6	
Fin per inch			12	14	12	12	14	14	12	12	
Face Area		ft ²	12.06	16.04	17.76	24.65	27.88	27.88	27.88	36.49	
Face Velocity		ft/min	531	499	507	426	430	484	538	493	
Material			Electro Galvanized Steel								
Finishing			Epoxy Polyester Power Coating								
Insulation			PE								
Dimensions		Height	mm	835	1,230	1,230	1,435	1,490	1,490	1,895	
		Width	mm	1,965	1,935	1,935	2,190	2,345	2,345	2,355	
		Depth	mm	975	1,190	1,190	1,190	1,480	1,480	1,930	
		Wooden Casing	mm	1,055x2,050 x1,080	1,425x2,018 x1,355	1,425x2,018 x1,355	1,698x2,255 x1,420	1,770x2,404 x1,630	1,770x2,404 x1,630	1,770x2,404 x1,630	2,128x2,450 x2,030
Type of Gas Precharged			Nitrogen Holding								
Control			Thermostat expansion valve								
Weight (Included Packing)		kg	235	368	378	503	556	570	850	920	
Noise Level		dBA	68.5	69	71	68	68.5	74	76.5	68	
Air Filter			Washable Viledon								
Air Filter Size		LxHxD	mm	542x738x25.4	533x532x25.4	533x532x25.4	617x661x25.4	668x661x25.4	668x661x25.4	668x579x25.4	
Piping		Liquid	inch	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	
		Suction	inch	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	
		Drain	inch								
Connection Type			1-3/8" Brazed								
Power Supply		V/Ph/Hz	380-415/3/50								
		Ph	3	3	3	3	3	3	3	3	
Qty			1	1	1	1	1	1	1	1	
Compressor Type			Scroll								
Capacitor		µF	-	-	-	-	-	-	-	-	
Max. Starting Current		A	125 x 2	125 x 2	175 x 2	125 x 2 + 125	125 x 4	175 x 3	125 x 4	175 x 4	
Nominal Current		A	19.2 x 2	22.1 x 2	24.17 x 2	22.1 x 2 + 19.2	19.2 x 4	24.17 x 3	22.1 x 4	24.17 x 4	
Input Power		W	9,130 x 2	10,200 x 2	13,620 x 2	10,200 x 2 + 9130	9,130 x 4	13,620 x 3	10,200 x 4	13,620 x 4	
Vibration Isolator			Rubber								
Protection Device			Internal Over Load Protector + Phase Protector								
Qty			1	1	1	1	1	1	1	1	
Fan Type / Drive			Propeller / Direct Drive								
Fan Speed		rpm	930	920	920	930 / 920	930	920	920	920	
Blade Material			Aluminium								
Diameter		inch	24"	26"	28"	26"	24"	28"	26"	28"	
Rated Running Current		A	1.5 x 2	2.8 x 2	3 x 2	2.8 x 2 + 1.5	1.5 x 4	3 x 3	2.8 x 4	3 x 4	
Rated Output		W	450 x 2	750 x 2	950 x 2	750 x 2 + 450	450 x 4	950 x 3	750 x 4	950 x 4	
Rated Input		W	710 x 2	1,000 x 2	1,250 x 2	1,000 x 2 + 710	710 x 4	1,250 x 3	1,000 x 4	1,250 x 4	
Tube			Copper Tube								
Diameter		mm	9.5								
Material			Aluminium								
Fin											
Row			2	2	2	2	2	2	2	2	
Fin per inch			14	14	14	14	14	14	14	14	
Surface Area		ft ²	18.95	18.95	27.00	18.95	18.95	27.00	18.95	27.00	
Material			Electro Galvanized Steel								
Finishing			Epoxy Polyester Powder Paint								
Dimensions		Height	mm	940	940	1,090	940	1,090	940	1,090	
		Width	mm	965	965	1,130	965	1,130	965	1,130	
		Depth	mm	975	975	1,105	975	1,105	975	1,105	
Weight (included packing)		kg	190	197	230	190 / 197	190	230	197	230	
No. of Circuit			1	1	1	1	1	1	1	1	
Piping		Liquid	inch	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	
		Suction	inch	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	
Connection Type			Brazed								

Specifications

Models				Indoor	LMAC	
				Unit	125	150
Nominal Capacities				Outdoor	YHC	
				Unit	125	150
Cooling	Cooling	Btu/h	125,000	150,000		
		kW	36.64	43.96		
		kcal/h	31,250	37,500		
Power Supply		V/Ph/Hz	380-415/3/50			
Power Consumption		Ph	3	3		
Running Current		kW	13.16	16.78		
Refrigerant Type			R-22			
Power Supply		V/Ph/Hz	220-240/1/50	380-415/3/50		
		Ph	1	3		
Blower Material			Zinc coated steel			
Fan Type/ Drive			Forward Curve Centrifugal			
Fan	Blower Size (Diameter x Length)- qty	Inch-Ea	10"x10"x 2	12"x12"x 2		
	Speed (Hi/Me/Lo)	A	900/820/725	770		
	Running Current	A	3.4x2	3.7		
	Motor Quantity	Ea	2	1		
	Motor Model		PM3102206	90-4L		
	Input Power	W	700x2	1908		
	Output Power	W	312x2	1,500		
	Drive method		Direct	Belt		
	Air Flow	CFM	4,000	5,000		
	ESP	Pa	150	150		
	Motor Pulley	Type	-	Taper Bushed		
	Blower Pulley	Type	-	Taper Bushed		
	Coil	Tube	Material	Copper Tube		
Diameter			mm	9.5		
Fin		Material	Aluminum			
		Circuit		1		
		Row		4		
		Fin Per Inch		14		
Face Area	ft ²	7.63	10.14			
Casing	Material	Electro Galvanized Steel				
	Finishing	Epoxy Polyester Powder Paint				
Dimensions	Insulation	PE				
	Height	mm	550			
	Width	mm	1,887			
Weight (included packing)	Depth	mm	517			
		kg	198			
Air Filter		Not Supplied				
Pipe Size	Liquid	inch	5/8"			
	Suction	inch	1-3/8"			
	Drain	inch	1"			
Type		Braze				
Power Supply		V/Ph/Hz	380-415/3/50			
		Ph	3	3		
Compressor	Qty		1	1		
	Compressor Type		Scroll			
	Oil Charge	cc	3,250	6,200		
	Capacitor	µF	-	-		
	Max. Starting Current	A	125	175		
	Nominal Current	A	22.1	24.17		
	Input Power	W	10,200	13,620		
	Vibration Isolator		Rubber			
Protection Device		Internal Over Load Protector				
Fan	Qty		1	1		
	Fan Type / Drive		Propeller / Direct Drive			
	Fan Speed	rpm	920	920		
	Blade Material		Aluminium			
	Diameter	inch	26"	28"		
	Rated Running Current	A	2.80	3.00		
	Rated Output	W	750	950		
	Rated Input	W	1,000	1,250		
Coil	Tube	Material	Copper Tube			
		Diameter	mm	9.5		
	Fin	Material	Aluminium			
		Row		2		
Fin per inch		16				
Surface Area	ft ²	17.5	26.00			
Casing	Material	Electro Galvanized Steel				
	Finishing	Epoxy Polyester Powder Paint				
Dimensions	Height	mm	794			
	Width	mm	962			
	Depth	mm	973			
Weight (Included Packing)		kg	197			
No. of Circuit			1			
Piping	Type		Braze			
	Pipe Size	Liquid	inch	5/8"		
	Suction	inch	1-3/8"			

Specifications

Models				Indoor	LMAC		
				Unit	125	150	
Nominal Capacities				Outdoor	YVC		
				Unit	125	150	
Cooling	Btu/h		125,000	150,000			
	kW		36.64	43.96			
	kcal/h		31,250	37,500			
Power Supply				380-415/3/50			
Power Consumption				3			
Running Current				13.16			
Refrigerant Type				R-22			
Power Supply				220-240/1/50			
Ph				1			
Ph				3			
Fan	Blower Material		-				
	Fan Type/ Drive		Forward Curve Centrifugal				
	Blower Size (Diameter x Length)- qty		Inch-Ea	10 "x 10" x 2	12"x 12" x 2		
	Speed (Hi/Me/Lo)		-		900/820/725		
	Running Current		A	4.4x2	770		
	Motor Quantity		Ea	2	1		
	Motor Model		YDK550-4Q8-L/R		90-4L		
	Input Power		W	700x2	1908		
	Output Power		W	312x2	1,500		
	Drive method		Direct		Belt		
	Air Flow		CFM	4,000	5,000		
	ESP		Pa	150	150		
	Motor Pulley		Type	-		Taper Bushed	
	Blower Pulley		Type	-		Taper Bushed	
Coil	Tube	Material	Copper Tube				
		Diameter	mm	9.5			
	Fin	Material	Aluminum				
		Circuit	1		1		
		Row	4		4		
		Fin Per Inch	14		14		
Face Area		ft ²	7.63	10.14			
Casing		Material	Electro Galvanized Steel				
Casing		Finishing	Epoxy Polyester Powder Paint				
Casing		Insulation	PE				
Dimensions	Height	mm	550	610			
	Width	mm	1,887	2,192			
	Depth	mm	517	737			
Weight (included packing)		kg	198	206			
Air Filter				Not Supplied			
Piping	Pipe Size	Liquid	inch	5/8"			
		Suction	inch	1-3/8"			
		Drain	inch	1"			
Connection Type		Soldering					
Power Supply				380-415/3/50			
Ph				3			
Ph				3			
Compressor	Qty		1		1		
	Compressor Type		Scroll				
	Oil Charge		cc	3,250	6,200		
	Capacitor		µF	-			
	Max. Starting Current		A	125	175		
	Nominal Current		A	22.1	24.17		
	Input Power		W	10,200	13,620		
	Vibration Isolator		Rubber				
Protection Device		Internal Over Load Protector					
Fan	Qty		1		1		
	Fan Type / Drive		Propeller / Direct Drive				
	Fan Speed		rpm	920	920		
	Blade Material		Aluminium				
	Diameter		inch	26"	28"		
	Rated Running Current		A	2.80	3.00		
	Rated Output		W	750	950		
Rated Input		W	1,000	1,250			
Coil	Tube	Material	Copper Tube				
		Diameter	mm	9.5			
	Fin	Material	Aluminium				
		Row	2		2		
Fin per inch		14		14			
Surface Area		ft ²	18.95	27.00			
Casing		Material	Electro Galvanized Steel				
Casing		Finishing	Epoxy Polyester Powder Paint				
Dimensions	Height	mm	940	1,090			
	Width	mm	965	1,130			
	Depth	mm	975	1,105			
Weight (Included Packing)		kg	197	230			
No. of Circuit				1			
Piping	Pipe Size	Liquid	inch	5/8"			
		Suction	inch	1-3/8"			
		Brazed					
Connection Type		Brazed					

Specifications

Models		Indoor	MAC				
		Unit	75	100	125	150	
Nominal Capacities		Outdoor	YHC				
		Unit	75	100	125	150	
Cooling	Cooling	Btu/h	75,000	100,000	125,000	150,000	
		kW	21.98	29.31	36.64	43.96	
		kcal/h	18,750	25,000	31,250	37,500	
Power Supply		V/Ph/Hz	380-415/3/50				
Power Consumption		Ph	3	3	3	3	
Running Current		kW	8.89	11.80	12.64	16.78	
Refrigerant Type		A	24.23	29.50	27.70	30.87	
Refrigerant Type			R-22				
Power Supply		V/Ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	
Power Supply		Ph	1	1	3	3	
Blower Material			Zinc coated steel				
Fan	Fan Type/ Drive		Forward Curve Centrifugal Direct Drive		Forward Curve Centrifugal Belt Drive		
	Blower Size (Diameter x Length)- qty	Inch-Ea	9"x7" x2	10"x8" x2	15"x15" x1	15"x15" x1	
	Speed (Hi/Me/Lo)	rpm	1,350/1,150/980	1,250/1,150/1,050	1,390	1,380	
	Running Current	A	6.33	4.4x2	2.8	3.7	
	Motor Quantity	Ea	1	2	1	1	
	Motor Model		YDK850-4A9	YDK550-4Q8-L/R	90-4S	90-4L	
	Motor Size (output)	W	850.0	550x2	1,100	1,500	
	Input Power	W	1,300	982x2	1,442	1,908	
	Output Power	W	850.0	550x2	1,100	1,500	
	Air Flow	CFM	2,500	3,300	4,100	5,000	
	ESP	Pa	100	100	150	150	
	Motor Pulley	Type	V-Belt				
	Blower Pulley	Type	V-Belt				
Coil	Tube	Material	Copper Tube				
		Diameter	9.5				
	Fin	Material	Aluminum				
		Circuit	1	1	1	1	
		Row	4	4	3	4	
	Fin Per Inch		14	14	14	14	
Face Area	ft²	4.74	6.14	10.23	10.23		
Casing		Material	Electro Galvanized Steel				
Casing		Finishing	Epoxy Polyester Powder Paint				
Casing		Insulation	PE				
Dimensions	Height	mm	485	550	870	870	
	Width	mm	1,585	1,585	1,585	1,585	
	Depth	mm	760	760	980	980	
Weight (included packing)		kg	129	150	215	217	
Air Filter			Not Supplied				
Piping	Pipe Size	Liquid	inch	5/8"	5/8"	5/8"	5/8"
		Suction	inch	1-1/8"	1-3/8"	1-3/8"	1-3/8"
		Drain	inch	1"	1"	1"	1"
Connection Type			Brazed				
Power Supply		V/Ph/Hz	380-415/3/50				
Power Supply		Ph	3	3	3	3	
Compressor	Qty		1	1	1	1	
	Compressor Type		Scroll				
	Oil Charge	cc	2,510	3,250	3,250	6,200	
	Capacitor	µF	-	-	-	-	
	Max. Starting Current	A	95	125	125	175	
	Nominal Current	A	16.4	19.2	22.1	24.17	
	Input Power	W	6,880	9,130	10,200	13,620	
	Vibration Isolator		Rubber				
	Protection Device		Internal Over Load Protector				
	Qty		1	1	1	1	
Fan	Fan Type / Drive		Propeller / Direct Drive				
	Fan Speed	rpm	930	930	920	920	
	Blade Material		Aluminium				
	Diameter	inch	24"	24"	26"	28"	
	Rated Running Current	A	1.50	1.50	2.80	3.00	
	Rated Output	W	450	450	750	950	
	Rated Input	W	710	710	1,000	1,250	
Coil	Tube	Material	Copper Tube				
		Diameter	9.5				
	Fin	Material	Aluminium				
		Row	2	2	2	2	
Fin per inch		16	16	16	16		
Surface Area	ft²	17.5	17.5	17.5	26.00		
Casing		Material	Electro Galvanized Steel				
Casing		Finishing	Epoxy Polyester Powder Paint				
Dimensions	Height	mm	794	794	794	945	
	Width	mm	962	962	962	1,227	
	Depth	mm	973	973	973	1,105	
Weight (Included Packing)		kg	192.0	196.0	197.0	230.0	
No. of Circuit			1	1	1	1	
Piping	Pipe Size	Liquid	inch	5/8"	5/8"	5/8"	5/8"
		Suction	inch	1-1/8"	1-3/8"	1-3/8"	1-3/8"
Connection Type			Brazed				

Specifications

Models		MAC										
		Unit	MAC200B2	MAC250B2	MAC300B2	MAC350B3	MAC400B4	MAC450B3	MAC500B4	MAC600B4		
		Outdoor	YHC									
		Unit	YHC100x2	YHC125x2	YHC150x2	YHC100x1+ YHC125x2	YHC100x4	YHC150x3	YHC125x4	YHC150x4		
Nominal Capacities	Cooling	Btu/h	200,000	250,000	300,000	350,000	400,000	450,000	500,000	600,000		
		kW	58.62	73.27	87.92	102.58	117.23	131.89	146.54	175.85		
		kcal/h	50,000	62,500	75,000	87,500	100,000	112,500	125,000	150,000		
Power Supply		V/Ph/Hz	380-415/3/50									
		Ph	3	3	3	3	3	3	3	3		
Power Consumption		kW	21.89	25.13	31.97	35.95	42.94	49.45	53.23	66.91		
Running Current		A	44.92	50.26	56.40	74.50	87.90	86.91	109.30	117.58		
Refrigerant Type		R-22										
Power Supply		V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50		
		Ph	3	3	3	3	3	3	3	3		
Indoor Unit		Blower Material		Zinc Coated Steel								
		Fan Type/ Drive		Centrifugal/Belt Driven								
		Blower Model		SYT15-15L	SYT18-18LK	SYT18-18LK	SYT18-18LK	SYD500R	SYD500R	SYD500R	SYD560R	
		Blower Size (Diameter x Length)- qty		15"x15" x1	18"x18" x1	18"x18" x1	18"x18" x1	20"x16" x1	20"x16" x1	20"x16" x1	22"x19" x1	
		Blower Pulley and Bush		mm	2SPA/132/2,010/25	2SPA/170/2,012/35	2SPA/170/2,012/35	2SPA/224/2,517/35	2SPA/236/2,517/35	2SPA/236/2,517/35	2SPA/280/2,517/40	3SPA/280/2,517/40
		Speed (Hi/Me/Lo)		rpm	880	770	810	810	650	690	780	680
		Running Current		A	6.52	8.06	8.06	11.1	11.1	14.4	20.9	20.9
		Motor Quantity			1	1	1	1	1	1	1	
		Motor Type		Squirrel Cage Induction								
		Motor Pulley and Bush		mm	2SPA/80/1,210/28	2SPA/90/1,610/28	2SPA/95/1,610/28	2SPA/125/1,610/38	2SPA/106/1,610/38	2SPA/112/1,610/38	2SPA/150/2,012/42	3SPA/132/2,012/42
		Input Power		W	3,628	4,728	4,728	6,418	6,418	8,591	12,429	12,429
		Output Power		W	3,000	4,000	4,000	5,500	5,500	7,500	11,000	11,000
		Air Flow		CFM	6,400	8,000	9,000	10,500	12,000	13,500	15,000	18,000
		ESP		Pa	150	200	200	200	200	250	250	300
Coil		Tube		Seamless Copper Tube								
		Diameter		9.52(3/8)								
		Material		Aluminum								
		Thickness		0.115								
		Circuit			2	2	2	3	4	3	4	4
		Row			4	4	5	4	4	4	5	6
Fin Per Inch			12	14	12	12	14	14	12	12		
Face Area		ft ²	12.06	16.04	17.76	24.65	27.88	27.88	27.88	36.49		
Face velocity		ft/min	531	499	507	426	430	484	538	493		
Casing		Material		Electro Galvanized Steel								
		Finishing		Epoxy Polyester Power Coating								
		Insulation		PE								
Dimensions		Height		mm	835	1,230	1,230	1,435	1,490	1,490	1,490	1,895
		Width		mm	1,965	1,935	1,935	2,190	2,345	2,345	2,345	2,355
		Depth		mm	975	1,190	1,190	1,190	1,480	1,480	1,480	1,930
		Wooden Casing		mm	1,055x2,050x1,080	1,425x2,018x1,355	1,425x2,018x1,355	1,698x2,255x1,420	1,770x2,404x1,630	1,770x2,404x1,630	1,770x2,404x1,630	2,128x2,450x2,030
Type of Gas Precharged		Nitrogen Holding										
Control		Thermostat Expansion Valve										
Weight (Included Packing)		kg	235	368	378	503	556	570	850	920		
Noise Level		dB(A)	68.5	69	71	68	68.5	74	76.5	68		
Air Filter		Washable viledon										
Air Filter size		LxHxD	mm	542x738x25.4	533x532x25.4	533x532x25.4	617x661x25.4	668x661x25.4	668x661x25.4	668x661x25.4	668x579x25.4	
Piping		Liquid		inch	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	
		Suction		inch	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	
		Drain		inch	1-3/8"							
Connection Type		Braze										
Power Supply		V/Ph/Hz	380-415/3/50									
		Ph	3	3	3	3	3	3	3	3		
Outdoor Unit		Qty		1	1	1	1	1	1	1		
		Compressor Type		Scroll								
		Capacitor		µF	-	-	-	-	-	-	-	
		Max. Starting Current		A	125 x 2	125 x 2	175 x 2	125 x 2 + 125	125 x 4	175 x 3	125 x 4	175 x 4
		Nominal Current		A	19.2 x 2	22.1 x 2	24.17 x 2	22.1 x 2 + 19.2	19.2 x 4	24.17 x 3	22.1 x 4	24.17 x 4
		Input Power		W	9,130 x 2	10,200 x 2	13,620 x 2	10,200 x 2 + 9,130	9,130 x 4	13,620 x 3	10,200 x 4	13,620 x 4
		Vibration Isolator		Rubber								
		Protection Device		Internal Over Load Protector + Phase Protector								
		Fan Type / Drive		Propeller / Direct Drive								
		Fan Speed		rpm	930	920	920	930 / 920	930	920	920	920
Blade Material		Aluminium										
Diameter		inch	24"	26"	28"	26"	24"	28"	26"	28"		
Rated Running Current		A	1.5 x 2	2.8 x 2	3 x 2	2.8 x 2 + 1.5	1.5 x 4	3 x 3	2.8 x 4	3 x 4		
Rated Output		W	450 x 2	750 x 2	950 x 2	750 x 2 + 450	450 x 4	950 x 3	750 x 4	950 x 4		
Rated Input		W	710 x 2	1,000 x 2	1,250 x 2	1,000 x 2 + 710	710 x 4	1,250 x 3	1,000 x 4	1,250 x 4		
Coil		Tube		Copper Tube								
		Diameter		9.5								
		Material		Aluminium								
Row			2	2	2	2	2	2	2	2		
Fin per inch			16	16	16	16	16	16	16	16		
Surface Area		ft ²	17.5	17.5	26.00	17.5	17.5	26.00	17.5	26.00		
Casing		Material		Electro Galvanized Steel								
		Finishing		Epoxy Polyester Powder Paint								
		Insulation		PE								
Dimensions		Height		mm	794	794	945	794	945	794	945	
		Width		mm	962	962	1,227	962	1,227	962	1,227	
		Depth		mm	973	973	1,105	973	973	1,105	973	1,105
Weight (Included Packing)		kg	196	197	230	196 / 197	197	230	197	230		
No. of Circuit			1	1	1	1	1	1	1	1		
Piping		Liquid		inch	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	
		Suction		inch	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	
Connection Type		Braze										

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